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UNUSUAL PHENOMENON OBSERVED ON *JUPITER*, SEPT. 29, 1891,
BY HENRY S. HURLBERT.

[Extract from a letter dated Detroit, Michigan.]

"* * * On the evening of September 29, 1891 at 7:02 P. M. Central Standard Time, I noticed the following interesting phenomenon on *Jupiter*. Satellite I was in transit, showing a well-defined white disk against the darker background of the southern equatorial belt. Following this was the customary shadow, and following this at an *equal* distance was a second shadow. This secondary shadow was a trifle smaller and considerably fainter than the true shadow and seemed to be surrounded by a faint penumbra. This secondary shadow disappeared simultaneously with the *egress* of the true shadow. * * * The seeing was exceptionally good and the air very steady. My instrument is a three-inch [refractor] by BRASHEAR mounted equatorially with clock, etc., and powers of 126, 160 and 212 diameters. * * * "

[The above letter was accompanied by a detailed drawing.]